

Notice of Allowability

Application No.

10/725,691

Examiner

Thai D. Hoang

Applicant(s)

MACKNIGHT, JAMES

Art Unit

2667

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12/02/20003.
2. ☒ The allowed claim(s) is/are 1-19.
3. ☒ The drawings filed on 02 December 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 07/09/2004
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Allowable Subject Matter

Claims 1-19 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Hwang et al, US Patent No. 6,535,505 B1, discloses a method and apparatus for providing a time-division multiplexing (TDM) interface among a high-speed data stream and multiple processors. Hwang does not teach or fairly suggest the following features, which are recited in independent claims of the present application:

(a) A host platform/PVDM (packet voice data module) interface where the packet module includes at least one on-board DSP compatible with one particular host parallel bus protocol of a set of parallel bus protocols, said interface comprising:

a parallel bus coupled to the host ports of the DSP;

a non-volatile memory holding information indicating which one of the parallel bus protocols is utilized by the on-board DSP;

a serial bus coupled to the non-volatile memory for reading the information held on the non-volatile memory; and

termination logic, capable of implementing each protocol in the set of parallel bus protocols, for reading the information from the non-volatile memory and implementing the parallel bus protocol, identified by the non-volatile memory, utilized by the on-board DSP as recited in claims 1, 18 and 19.

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(b) A method for interfacing a host platform and a PVDM (packet voice data module), where the packet module includes at least one on-board DSP (digital signal processor), which is compatible with one particular host parallel bus protocol out of a set of parallel bus protocols that can be implemented by host platform, and where the PVDM includes a non-volatile memory holding identification information identifying the type of on-board DSP, said method, with a configurable parallel bus and serial bus coupling the host platform and PVDM, said method, performed by host processor on the host platform, comprising the steps of:

reading the non-volatile memory over the serial bus to access the identification information to identify a particular parallel bus protocol, out of the set of parallel bus protocols, that is compatible with the on-board DSP; and

configuring the parallel bus to implement the particular parallel bus protocol to communicate with the on-board DSP as recited in claims 6, 10 and 14.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following references are cited to further show the state of the art with respect to the application:

US Patent No. 6,839,792 B2, Feldstein et al., "Data modem."

US Patent No. 5,349,579 A, Madonna et al., "Telecommunication switch with programmable communications services."


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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thai D. Hoang whose telephone number is (571) 272-3184. The examiner can normally be reached on Monday-Friday 10:00am-18:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Thai Hoang


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SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600 5/31/05